Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1-39. (canceled)

40. (Currently amended) An isolated nucleic acid molecule comprising a sequence encoding the polypeptide of SEQ ID NO: 14 with aspartic acid, glutamic acid, lysine, or arginine substituted for ~~a substitution at~~ asparagine-20.

41. (Currently amended) The isolated nucleic acid molecule of claim 40 encoding the polypeptide of SEQ ID NO: 14, further comprising serine, alanine, glycine, or threonine substituted for ~~a substitution at~~ cysteine-98.

42. (Previously presented) The isolated nucleic acid molecule of claim 40 encoding the polypeptide of SEQ ID NO: 14, further comprising a substitution at aspartic acid-45.

43. (Currently amended) The isolated nucleic acid molecule of claim 42 ~~40~~ encoding the polypeptide of SEQ ID NO: 14, further comprising serine, alanine, glycine, or threonine substituted for ~~a substitution at~~ cysteine-98.

44. (Currently amended) The isolated nucleic acid molecule of claim 40 encoding the polypeptide of SEQ ID NO: 14, further comprising glutamic acid or aspartic acid substituted for ~~a substitution at~~ lysine-157.

45. (Previously presented) The isolated nucleic acid molecule of claim 40, encoding substitution of aspartic acid for asparagine-20.

46. (Previously presented) The isolated nucleic acid molecule of claim 41, encoding substitution of serine for cysteine-98.

47. (Previously presented) The isolated nucleic acid molecule of claim 42, encoding substitution of asparagine for aspartic acid-45.

48. (Previously presented) The isolated nucleic acid molecule of claim 43, encoding substitution of serine for cyteine-98.

49. (Previously presented) The isolated nucleic acid molecule of claim 44, encoding substitution of glutamic acid for lysine-157.

50. (Currently amended) An isolated nucleic acid molecule comprising a sequence encoding the polypeptide of SEQ ID NO: 14 with asparagine substituted for ~~a substitution at~~ lysine-16.

51. (Canceled)

52. (Currently amended) An isolated nucleic acid molecule comprising a sequence encoding the polypeptide of SEQ ID NO: 14 with serine, alanine, glycine, or threonine substituted for ~~a substitution at~~ cysteine-87.

53. (Previously presented) The isolated nucleic acid molecule of claim 52, encoding substitution of serine for cysteine-87.

54. (Currently amended) An isolated nucleic acid molecule comprising a sequence encoding the polypeptide of SEQ ID NO: 14 with serine, alanine, glycine, or threonine substituted for ~~a substitution at~~ cysteine-90.

55. (Previously presented) The isolated nucleic acid molecule of claim 54, encoding substitution of serine for cysteine-90.

56. (Currently amended) A recombinant nucleic acid construct comprising:
a polynucleotide comprising ~~having~~ the sequence of SEQ ID NO: 12;
a polynucleotide having 99% sequence identity with SEQ ID NO: 12;
a polynucleotide ~~having~~ comprising nucleotides 918-1580 ~~the portion~~ of sequence SEQ ID NO: 12 ~~that encodes a polypeptide having the sequence of SEQ ID NO: 14~~; or
a polynucleotide having 99% sequence identity with nucleotides 918-1580 ~~the portion~~ of sequence SEQ ID NO: 12 ~~that encodes a polypeptide having the sequence of SEQ ID NO: 14~~.

57. (Previously presented) The recombinant nucleic acid construct of claim 56, comprising a polynucleotide having the sequence of SEQ ID NO: 12.

58. (Previously presented) The recombinant nucleic acid construct of claim 56, comprising a polynucleotide having 99% sequence identity with SEQ ID NO: 12.

59. (Currently amended) The recombinant nucleic acid construct of claim 56, comprising a polynucleotide having nucleotides 918-1580 ~~the portion~~ of sequence SEQ ID NO: 12 ~~that encodes a polypeptide having the sequence of SEQ ID NO: 14~~.

60. (Currently amended) The recombinant nucleic acid construct of claim 56, comprising a polynucleotide having 99% sequence identity with nucleotides 918-1580 ~~the portion~~ of sequence SEQ ID NO: 12 ~~that encodes a polypeptide having the sequence of SEQ ID NO: 14~~.